

September 21, 2002 Electronic Collection Event for the Benton County Regional Moderate Risk Waste Facility

Participation:

The Electronic Equipment Collection Event held at the Tri-Cities Coliseum on September 21, 2002 from 9:00 a.m. to 3:00 p.m. attracted 470 vehicles in six hours. Traffic was steady for the entire event. Below is a breakdown of participation by city.

Time	Richland	Kennewick	Benton County	Total
9:00	36	35	5	76
10:00	48	36	8	92
11:00	41	25	9	75
12:00	37	27	6	70
1:00	40	27	8	75
2:00	47	25	10	82
Total	249	175	46	470

Advertisement:

The Benton County Regional Moderate Risk Waste Facility placed two advertisements in local newspapers that ran for five days the week before the event took place. A media event with local news stations was also scheduled the week prior to help publicize the event. Scale-house attendants also distributed flyers at transfer stations and the Horn Rapids Landfill two weeks before the event was to take place. An email of the flyer attached created by City of Richland staff was sent out one month before the event to select conservation organizations and was referenced as part of pollution prevention activities on numerous local radio stations. Most of the exposure the event received was free with the exception of newspaper advertisements, which were the most effective. Below is the costs for advertising and graphic set up fees with three different companies.

Company	Cost
Tri-City Herald (Advertising)	\$821.54
Giant Nickel (Advertising)	\$169.20
Esprit Printing (Graphics)	\$56.00
Total Cost	\$1,046.74

Labor:

This was a very labor-intensive event that required heavy lifting for an extended period of time and proper planning to accommodate all of the residents that wanted to participate. As participants arrived, they were asked which city they live in, and if they have residential or business waste. Businesses with five or less pieces of equipment were required to pre-register for the event in order to participate. They were then directed to the unloading station where items were segregated into five different categories. CPU's, VCR's and DVD players, printers and copiers, and miscellaneous. These items were put into triwall cubic yard boxes, set on pallets and then fork-lifted onto a 52 ft. trailer. T.V. and computer monitors were taken to a separate unloading station and put onto their own 52 ft. trailer. The City of Richland provided a garbage truck to manage the cardboard and miscellaneous items that could not be accepted by the program such as microwave ovens, computer owner manuals, and packing material. The Benton County Regional Moderate Risk Waste Facility requested volunteer help to accept and segregate the incoming electronic waste. Four volunteers agreed to participate in the event that

lasted for six hours. This increased the work force to twelve individuals that handled the 470 cars very efficiently.

Below is a list of the individuals that helped make the program successful and the costs associated with each individual. Total labor costs were

Labor and Food Costs

Employee	Cost	Position / Company
Steve McNutt	\$216.29	Waste Reduction Coordinator / City of Richland
Dan McClure	\$150.12	Environmental Specialist / City of Richland
Mike Evarts	\$132.88	Contract Employee / City of Richland
Les Neild	\$194.95	Heavy Truck Driver / City of Richland
Jack Clark	Salary	Environmental Engineer / City of Kennewick
Rod Pitts		Craftsworker / City of Kennewick
Bill Henager		Solid Waste Manager / Benton County
Paul Bourland	Included in disposal	Philip Service Corporation
David Todak	No charge	Volunteer / Battelle, PNNL
Rene Catlow	No charge	Volunteer / CH2M Hill, Hanford Group
Cecily Lehmann	No charge	Volunteer / CH2M Hill, Hanford Group
David Kania	No charge	Volunteer / Energy Northwest
Pizza Hut	\$79.94	

Disposal Costs and Weight Tabulations:

The Benton County Regional Moderate Risk Waste Facility applied for a Coordinated Prevention Grant in 2002 for the collection of electronic equipment from Benton County residents and businesses. The Washington State Department of Ecology awarded the grant that provided up to \$18,667 for Coordinated Prevention Grant activities. Total costs for the Electronic Equipment Collection Event program were \$19,062.74 excluding labor. A grant from the Washington State Department of Ecology provided up to \$18,667 for Coordinated Prevention Grant pilot project activities. The majority of the costs were for disposal of the electronic equipment. Other costs included graphics setup fee for the flyer, and one weeks worth of advertising in the Tri-City Herald and the Giant Nickel. The City of Richland agreed to pay \$12 per monitor and \$0.35 per pound of other material it collected. Cost for disposal of the 633 CRT's and 27,372 pounds of material by Philip Service Corporation (PSC) is in the chart below.

Disposal/ Material Costs

Material	Type/Quantity	Cost
Peripherals (PSC)	27,372 Pounds	\$9,580.00
Materials (PSC)	Cubic Boxes/Pallets	\$740.00
CRT's	633	\$7,696.00

Things We'd do Differently the Next Time (if we did this again)

At the beginning of the line we would have the greeter ask if they had tv or monitors only. They could then bypass the long line and go directly to the trailer that was set off to the side that collected tv's and monitors only. Sometimes cars formed two lines that created confusion and people would park and unload their own car and dump their equipment anywhere. One line is all you need because it does not take that long to unload each car and the amount of people we had helping made it quite efficient.